

Amendment to the Claims:

Please amend the claims as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): An intraluminal ~~catheter system~~ guidewire and distal protection device, comprising:

~~a first tubular member comprising a~~ an elongate hypotube having a proximal end and a distal end and having a fluid ~~containing~~ lumen therethrough, the hypotube having an outer diameter dimensioned to enable a therapeutic catheter to be advanced onto and along the guidewire;

a ~~medical~~ distal protection device coupled to the hypotube ~~said first tubular member~~ proximate said distal end;

a slave actuating member coupled to ~~said medical~~ the distal protection device and slidably mounted proximate said distal end of the hypotube for longitudinal movement with respect to ~~said first tubular member~~ the hypotube; and

a master actuating member having a portion disposed within the proximal portion of the lumen ~~configured~~ for longitudinal movement within said hypotube ~~proximate said proximal end,~~ whereby when the lumen is filled with fluid said master actuating member is hydraulically coupled to said slave actuating member.

Claim 2 (currently amended): A ~~system~~ device according to claim 1 wherein said slave actuating member is configured for movement within said lumen.

Claim 3 (currently amended): A ~~system~~ device according to claim 1 wherein said lumen has a constant diameter.

Claim 4 (canceled)

Claim 5 (currently amended): A ~~system~~ device according to claim 1 wherein said master actuating member comprises a first plunger extending into the proximal end of the lumen.

Claim 6 (currently amended): A system device according to claim 5 wherein said slave actuating member comprises a second plunger configured for telescopic movement within ~~said first tubular member~~ the lumen of the hypotube, said second plunger extending beyond ~~said distal end of said first tubular member~~ the hypotube.

Claim 7 (currently amended): A system device according to claim 5 wherein said slave actuating member comprises a second tubular member configured for telescopic movement with respect to ~~said first tubular member~~ the hypotube, said second tubular member extending over said distal end of ~~said first tubular member~~ the hypotube.

Claim 8 (currently amended): A system device according to claim 1 wherein said ~~medical~~ distal protection device comprises an expandable filter for capturing emboli.

Claim 9 (currently amended): A system device according to claim 1 wherein said ~~medical~~ distal protection device comprises an expandable occluder.

Claim 10 (currently amended): A system device according to claim 6 further comprising a sealing member ~~fixedly attached~~ mounted to said second plunger for providing a fluid seal between ~~said first tubular member~~ the hypotube and said second plunger.

Claim 11 (currently amended): A system device according to claim 7 further comprising a sealing member ~~fixedly attached~~ mounted to said second tubular member for providing a fluid seal between ~~said first tubular member~~ the hypotube and said second tubular member.

Claim 12 (currently amended): A system device according to claim 8 wherein said filter comprises a proximal region having a plurality of openings therein of sufficient size for emboli to pass through.

Claim 13 (currently amended): A ~~system~~ device according to claim 12 wherein said filter comprises a distal region having a plurality of pores therein of a size sufficiently small to capture the emboli.

Claim 14 (currently amended): A ~~system~~ device according to claim 13 wherein at least said distal region is a mesh.

Claim 15 (currently amended): A guidewire apparatus comprising:
~~a first tubular member comprising a~~ an elongate hypotube having a proximal end and a distal end and having a fluid ~~containing~~ lumen therethrough, the hypotube having an outer diameter dimensioned to enable a therapeutic catheter to be advanced onto and along the guidewire;

a self-expanding distal protection device disposed at the distal region of the hypotube and adapted to self-expand from a low profile configuration;

a slave actuating member slidably mounted proximate said distal end for longitudinal movement with respect to the hypotube ~~said first tubular member~~; and

a master actuating member ~~configured~~ having a portion disposed within the proximal portion of the lumen for longitudinal movement within said hypotube ~~proximate said proximal end~~, said master actuating member being hydraulically coupled to said slave actuating member through the hypotube lumen;

the self-expanding distal protection device being coupled to the distal end of the hypotube and the slave actuating member so that actuation of the master actuating member will cause the distal protection device to be returned to its low profile configuration.

Claim 16 (currently amended): A ~~system~~ device according to claim 15 wherein said slave actuating member is configured for movement within said lumen.

Claim 17 (currently amended): A ~~system~~ device according to claim 15 wherein said lumen has a constant diameter.

Claim 18 (canceled)

Claim 19 (currently amended): A ~~system~~ device according to claim 15 wherein said master actuating member comprises a first plunger.

Claim 20 (currently amended): ~~An apparatus~~ A device according to claim 19 wherein said slave actuating member comprises a second plunger configured for telescopic movement within ~~said first tubular member~~ the hypotube, said second plunger extending beyond said distal end of ~~said first tubular member~~ the hypotube.

Claim 21 (currently amended): ~~An apparatus~~ A device according to claim 19, wherein said slave actuating member comprises a second tubular member configured for telescopic movement with respect to ~~said first tubular member~~ the hypotube, said second tubular extending over said distal end of ~~said first tubular member~~ the hypotube.

Claim 22 (currently amended): ~~An apparatus~~ A device according to claim 20 further comprising a sealing member fixedly attached to said second plunger for providing a fluid seal between said first tubular member and said second plunger.

Claim 23 (currently amended): ~~An apparatus~~ A device according to claim 21 further comprising a sealing member fixedly attached to said second tubular member for providing a fluid seal between said first tubular member and said second tubular member.

Claim 24 (currently amended): An intraluminal ~~catheter system~~ guidewire and distal protection device, comprising:

~~a first tubular member comprising a~~ an elongate hypotube having a proximal end and a distal end and having a fluid ~~containing~~ lumen therethrough, the hypotube having an outer diameter dimensioned to enable a therapeutic catheter to be advanced onto and along the guidewire;

~~a medical~~ distal protection device coupled to said ~~first tubular member~~ hypotube proximate said distal end;

a master actuating member telescopically mounted within said hypotube proximate said proximal end and configured for longitudinal movement therein; and

a slave actuating member telescopically mounted within said lumen proximate said distal end and configured for longitudinal movement therein, said slave actuating member being coupled to said ~~medical~~ distal protection device and hydraulically coupled to said master actuating member;

the distal protection device being self-expanding from a low profile and being coupled to the slave actuating member and hypotube so that operation of the master actuating member will cause the slave actuating member to move in a direction to collapse the distal protection device to its low profile.

Claim 25 (currently amended): A ~~system~~ device according to claim 24 wherein said lumen has a constant diameter.

Claim 26 (canceled)

Claim 27 (currently amended): A ~~system~~ device according to claim 24 wherein said master actuating member comprises a first plunger.

Claim 28 (currently amended): A ~~system~~ device according to claim 27 wherein said slave actuating member comprises a second plunger extending beyond said distal end of said first tubular member.

Claim 29 (currently amended): A ~~system~~ device according to claim 24 wherein said medical device comprises a filter for capturing emboli.

Claim 30 (currently amended): A ~~system~~ device according to claim 24 wherein said medical device comprises an occluder.

Claim 31 (currently amended): A ~~system~~ device according to claim 28 further comprising a sealing member fixedly attached to said second plunger for providing a fluid seal between said first tubular member and said second plunger.

Claim 32 (currently amended): A ~~system~~ device according to claim 29 wherein said filter comprises a proximal region having a plurality of openings therein of sufficient size for emboli to pass through.

Claim 33 (currently amended): A ~~system~~ device according to claim 32 wherein said filter comprises a distal region having a plurality of pores therein of a size sufficiently small to capture the emboli.

Claim 34 (currently amended): A ~~system~~ device according to claim 33 wherein at least said distal region comprises a mesh.